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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 17th December, 1983

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1—377G1/83

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CORRIGENDUM

(1)

In the Gazette of India, Part III, Section 2 dated the 2nd July 1983 under the heading "PATENTS SEALED" delete 150591.

(769)

(2)

15th November, 1983.

In the Gazette of India, Part III, Section 2, page 444, Column 1 under number 151705, against Inventor :

for "VATTAVILA SIVASANKARA KRISHNAN N"

read "VATTAVILA SIVASANKARA KRISHNAN NAIR".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017.

The dates shown in crescent brackets are the dates claimed under section 135, of the Act.

10th November, 1983

1377/Cal/83. Cardiff's Pty. Ltd. Improvements in or relating to air directing apparatus.

1378/Cal/83. Hoechst Aktiengesellschaft. Process for making 1, 2-Dichloroethane.

1379/Cal/83. Schlumberger Limited. Diffraction tomography systems and methods.

1380/Cal/83. Union Carbide Corporation. A hydroformulation process for producing aldehydes by hydroformylating in olefin. (27th March, 1980).

11th November, 1983

1381/Cal/83. Yag Dutt Tandon. Spectacles Frame, for heavy glasses which can be changed over from Nearvision to Distancevision instantly.

1382/Cal/83. Riker Laboratories Inc. 6, 7-Dihydro-5, 8-dimethyl-9-fluoro-1-OXO-1H, 5H-BENZO[*ij*] Quinolizine-3-Carboxylic acid and derivatives.

1383/Cal/83. Riker Laboratories Inc. 6, 7-Dihydro-8-(Imidazol-1-Y1)-5-Methyl-1-OXO-1H, 5H-Benzo[*ij*] Quinolizine-2-carboxylic acids and derivatives.

1384/Cal/83. VGL Industries Ltd. Improvements in and relating to formation of beverages (1 February, 1983) & (14 June 1983).

14th November, 1983

1385/Cal/83. Linde Aktiengesellschaft. Process for converting hydrocarbons.

1386/Cal/83. Linde Aktiengesellschaft. Process for the combined preparation of ammonia and urea.

1387/Cal/83. Tara Chand Banka. Improvement in or relating to means for joining and/or attaching cables.

1388/Cal/83. Maedhui Engineering Pty. Ltd. Oxygen probe. (17th November 1982).

1389/Cal/83. Perkins Engines Group Limited. Clamp for an internal combustion engine fuel injector. (27th November 1982).

1390/Cal/83. Johnson Matthey Inc. Regenerating catalytic particulate filters and apparatus therefor.

1391/Cal/83. Krone GMBH. Test equipment for manually testing an optical glass-fibre subscriber line which is operated with bidirectional wave-length multiplex.

1392/Cal/83. Krone GmbH. Optical main distributor.

1393/Cal/83. Shri Sandeep Das. Perpetual motion machine.

1394/Cal/83. The Babcock & Wilcox Company. Bypass control for stations in a communication system.

1395/Cal/83. Ethicon Inc. A disposable cartridge for a plurality of ligating clips. [18th September, 1981].

1396/Cal/83. Michael Charles Tucker and Gearhart Australia Limited. A method and apparatus for reinforcing and consolidating earth structures. (16th November, 1982).

1397/Cal/83. Asahi Kasei Kogyo Kabushiki Kaisha. An improved hydrogen-evolution electrode and a method of producing the same.

1398/Cal/83. K F Engineering Co. Ltd. Immobilized microbial cells or immobilized enzyme and the fermentation production method by utilizing the same.

1399/Cal/83. GEL Incorporated. Zinc-bromine battery with long term stability.

16th November, 1983.

1400/Cal/83. Stauffer Chemical Company. Aluminium N-phosphonomethyl-glycine and its use as a herbicide.

1401/Cal/83. Clive Neal Taylor. Pipe connector. (16th November, 1982).

1402/Cal/83. Texaco Development Corporation. Partial oxidation process.

1403/Cal/83. Siemens Aktiengesellschaft. Electrical switch.

1404/Cal/83. NTG Nukleartechnik GMBH Und Partner. Method of decontaminating the internal surface of a reactor vessel.

1405/Cal/83. Vijay Talwar and Mrs. Renu Talwar, Talwar Brothers Private Limited and Balkau Timbers Private Limited. Piston-ram.

1406/Cal/83. Vijay Talwar and Mrs. Renu Talwar, Talwar Brothers Private Limited and Balkau Timbers Private Limited. Die mouthpieces.

1407/Cal/83. Trans med Corporation. A dispensing device. [8th May, 1980].

1408/Cal/83. Trans med Corporation. A spring-like device. [8th May, 1980].

1409/Cal/83. Trans med Corporation. A collector for collecting diagnostic specimen of fluids e.g. blood, urine milk from human or animals. [8th May, 1980].

1410/Cal/83. C F Braun & Co. Apparatus for synthesizing ammonia.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

31st October, 1983.

216/Mas/83. Kerala State Electronics Development Corporation Limited. A magneddyne encoder.

1st November, 1983.

217/Mas/83. K. Vijayachandran. An improved bayonet type electric lamp holder.

2nd November, 1983.

218/Mas/83. S. Yagyanarayanan, Mrs. S. Subbalaxmi, S. Hariharan & S. G. Mahadevan. "ESBE" Check valve.

COMPLETE SPECIFICATION ACCEPTED

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CLASS 63 A₂ & B.

152288.

Int.Cl. H 02 k 3/46, 3/50.

DYNAMOELECTRIC MACHINE HAVING ENHANCED UNBALANCED STATOR CURRENT CAPABILITY.

Applicants: WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors: CARL FLICK.

Application No. 879/Cal/80 filed July 31, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A dynamoelectric machine comprising a cylindrical rotor body portion having a plurality of longitudinal slots disposed in its outer surface, an electrical winding cooperatively associated with the rotor body, said winding comprising a plurality of conductors, said conductors including longitudinal portions disposed in said rotor slots and end turn portions connecting said longitudinal portions at both axial ends of the rotor body, said end turn portions extending axially beyond the rotor body a retaining ring structure joined to each axial end of each rotor body, said retaining ring structure being disposed about the conductor end turn portions to restrain radially outward movement thereof during rotor rotation two highly conductive mantle structures each having an inner surface and an outer surface, said mantle structures being individually disposed about each of the retaining ring structures such that said inner surface is in intimate electrical contact with said retaining ring, and means for electrically connecting said mantle structure to said rotor surface, said electrical connecting means providing an electrical path separate from said retaining ring structure.

(Compl. specn. 15 pages. Drg. 1 sheet).

CLASS 195 B.

152289.

Int. Cl. F 16 k 51/00.

A MONITORING DEVICE FOR CHECKING THE ORDERLY CLOSING OF A FLAP VALVE.

Applicants: KRAFTWERK UNION AKTIENGESellschaft OF 433 MULHEIM (RUHR), WIFSENSTR. 35, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. WOLFGANG KINDERMANN, 2. PAUL KRAMER.

Application No. 900/Cal/80 filed August 6, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A monitoring device for checking the orderly closing of a flap valve having a valve housing and a valve element mounted in the housing for pivotal movement between open and closed positions in which:

the valve housing is provided with a measuring passage which has an outlet opening into the interior of the valve housing and which has a throttling device via which the passage is connectable to a supply of fluid pressure medium for introducing the fluid pressure medium into the interior of the valve housing via said outlet in order to check the closing of the valve;

the outlet of the measuring passage is arranged, in relation to the mounting of the valve element, so as to direct the fluid pressure medium onto a portion of the surface of the valve element when the latter occupies its closed position;

and a fluid-pressure measuring device is arranged to detect the rise in pressure in the measuring passage as the valve element moves to its closed position, when fluid pressure medium is supplied to the passage.

(Compl. specn. 11 pages. Drgs. 2 sheets).

CLASS 65 B₂.

152290.

Int. Cl. H 01 f 3/00.

PROCESS FOR THE PRODUCTION OF E-SHAPED CORE LAMINATIONS AND I-SHAPED RETURN CORE LAMINATIONS OF AN IMPEDANCE COIL OR OF A TRANSFORMER, ESPECIALLY FOR GLOW-DISCHARGE LAMPS.

Applicants: HERMANN SCHWABE OF WASENSTRASSE 25, D-7067 URBACH, WEST GERMANY.

Inventors: BERNHARD ALBECK.

Application No. 1041/Cal/80 filed September 11, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Process for the production of E-shaped core laminations and I-shaped return core laminations of an impedance coil or of a transformer that fits in between the outer side of the former for particular application as power supply unit for glow-discharge lamps, characterised in punching two rows of E-shaped core laminations (1) with the open sides opposite and adjacent to one another, staggering the ends (1) of the adjacent outer sides (6) of two neighbouring E-shaped core laminations (1) so as to lie opposite to the end of the centre arm (3) of the staggered E-shaped core lamination, punching the I-shaped core laminations (2) out from the free space between the outer sides (6) of the opposite lying E-shaped core laminations (1) resulting from them.

(Compl. specn. 1 pages. Drgs. 3 sheets).

CLASS 10.1

152291.

Int. Cl. D 05 c 15/00, 17/00.

TUFTING APPARATUS HAVING A YARN ADJUSTER.

Applicants : ABRAM NATHANIEL SPANEL OF 344 STOCKTON STREET, PRINCETON, NEW JERSEY 08540, UNITED STATES OF AMERICA.

Inventors : 1. PHILIP FRANK EILAND, 2. DAVID RAY JACOBS AND 3. DAVID NEWCOMB BUELL.

Application No. 479/Del/78 filed June 27, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

Tufting apparatus including;

Yarn-applying means for applying yarn to a back layer wherein the improvement is characterized by means for positioning yarn in a loaded condition in said yarn-applying means which comprises a yarn adjuster to position yarn in said yarn-applying means by causing at least a portion of the yarn to be drawn back.

(Compl. specn. 21 pages. Drgs. 7 sheets).

CLASS 145 D.

152292.

Int. Cl. D 21 f 1/66.

A PRESS MECHANISM FOR REMOVING LIQUID FROM A TRAVELLING FIBROUS WEB.

Applicants : BELOIT CORPORATION OF BELOIT, WISCONSIN 53511, U.S.A.

Inventors : DENNIS CALLAHAN CRONIN.

Application No. 100/Cal/81 filed January 29, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A press mechanism for removing liquid from a travelling fibrous web characterized in comprising in combination :

a looped endless press belt,

first and second elongate press nips through which said belt travels,

inner belt supporting means within the belt opposite said press nips;

first and second outer belt supporting means outside of said belt opposite said respective nips;

one of said belt supporting means forming elongate shoe surfaces pressing the belt toward the other of said belt supporting means for applying pressure to the web along the elongate nips,

water receiving means passing through the nips for receiving water received from a wet travelling web passing through said first and second nips;

lubricant delivery means delivering lubricating fluid between the shoe surfaces and the belt on the upstream side of each of the shoes.,

a lubricant removable blade means having a leading edge in close running contact with the belt on the off running side of each of the nips doctoring lubricant off of the belt surface, and means for removing lubricant doctored off the belt.

(Compl. specn. 15 pages. Drgs. 3 sheets).

CLASS 172 D.

152293

Int. Cl. D 01 h 13/00, 13/14.

AN IMPROVED DETECTOR BODY OF JUTE SPINNING MACHINE.

Applicants : 'INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION OF 17, TARATOLA ROAD, CALCUTTA-700 088, WEST BENGAL, INDIA.

Inventors : BIDYUT KUMAR MUKHERJEE AND AMAL KUMAR PAL.

Application No. 296/Cal/81, filed March 18, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An improved detector body of a jute spinning machine to avoid breakage of thread by the detector body itself is characterised by that a balancing counter weight is attached at the other end of the detector arm at the other side of its pivot point opposite to the free end of the detector arm fitted with the detector sleeve thereby compensating the action of joint weight of the detector arm and the attached sleeve.

(Compl. specn. 6 pages. Drg. 1 sheet).

Ind. Cl. F37 E.

152294.

Int. Cl. G 10 d 1/00 + 3/00.

IMPROVED SANTOOR.

Applicant & Inventor : ULHAS YESHWANT BAPAT, 210, UNIQUE INDUSTRIAL ESTATE, PRABHADEVI, BOMBAY-400 025, MAHARASHTRA, INDIA.

Application No. 254/BOM/81 Filed Sept. 3, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

1 Claim.

1. Improved 'Santoor' comprising a string instrument having plurality of bridges and each bridge carrying plurality of bridges and each bridge carrying plurality of strings in the form of tightened wires and two striking sticks each having lobes at one end and a bend at the other end, being called the striking end of the stick characterised in that the non-striking end of the said stick is provided with a piece of metal having blunt edge, arrangement being such that upon moving the said blunt edge with little pressure over the resonating strings there is produced desired 'mrsnd' to offer better melody in music.

(Comp. specn. 4 pages. Drgs. 1 sheet).

CLASS 145 C + D.

152295.

Int. Cl. D21h—1/00 & B32b—19/00, 23/00, 27/00.

IMPROVED REINFORCED PAPER.

Applicants & Inventors : ANAND MADHUSUDAN PARANJPE MADHAV BALWANT VAISHAMPAYAN OF PRADISH BUILDING, 5/14, ERANDAWANE, PUNE-411-004, MAHARASHTRA, INDIA.

Application No. 308/BOM/80 filed on Oct. 6, 1980.

Complete after provisional left on Jan 5, 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

8 Claims.

1. Improved reinforced paper inter alia comprising of one or more layers of paper with interwoven or interknitted fibre or filament transported and/or bonded upon or between the said one or more layers of the paper/s. and

A machine for manufacturing the improved reinforced paper inter alia comprising.

- (a) one or more spools for paper rolls;
- (b) Mechanical known means for continuously drawing and feeding paper from the said rolls;
- (c) Applicator for evenly applying adhesive to the said paper.
- (d) Means for continuously forming or weaving or inter-knitting triangular, squarish, diamond, polygonal or similar, shaped web of fibre or filament, upon or over layer/s of paper of between two or more layer/s of paper, inter alia comprising of :
 - (i) two or more bobbins of fibre or filament;
 - (ii) a comb having hollow needles through which fibre/filament coming from the bobbins pass, the said comb shuttling to and fro across the width of the paper and taking the said fibre/filament across the hooks on the either side of the paper;
 - (iii) a number of hooks attached to a belt or a chain continuously moving on either side of the paper, the said hooks holding the fibre/filament.
- (e) A pressure roller for bonding the said web of the fibre/filament upon or over or between the said paper/s.
- (f) A thread cutter for cutting the fibre or filament falling out of the paper; and
- (g) Roller for collecting and rolling the aforesaid paper bonded with the web of the fibre/filament.

(Comp. specn. 10 pages, diag. 1 sheet).

(Prov. specn. 7 pages, diag. 1 sheet).

CLASS 48A. 152296.

Int. Cl. H 02 g 5/00.

A DRAIN PLUG FOR DRAINING OFF CONDENSED MOISTURE FROM A BUSDUCT.

Applicant : BEST & CROMPTON ENGINEERING LIMITED, 29, NORTH BEACH ROAD, MADRAS-600 001.

Inventors : (1) BEHARA SANKAR RAO PATNAIK
(2) PAKKURTHI HANUMANTHA GODAVARY.

Application No. 214/Mas/80 filed November 26, 1980.

Complete specification left January 1, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims.

A drain plug for draining off condensed moisture from a busduct, the body of the said plug comprising a connecting member for engaging with an aperture in the busduct; a porous-walled tube disposed below the connecting member, the top and base of the said tube being covered; a passage running through the body and terminating at first and second orifices, the first orifice opening out on the connecting member for communication with the interior of the busduct, with the second orifice opening out in the tube, whereby condensed moisture from the busduct enters the first orifice and descends through the passage and the second orifice to emerge into the tube, for being absorbed by the porous walls of the tube and thence evaporating to atmosphere.

(Prov.—3 pages; Com.—5 pages; Drwg.—1 sheet).

CLASS 69 (G + M).

152297.

Int. Cl. H 01 h 27/00.

AN INTERLOCKING ELECTRIC SWITCH SOCKET AND PLUG.

Applicant : BEST & CROMPTON ENGINEERING LIMITED, 29, NORTH BEACH ROAD, MADRAS-600 001, TAMIL NADU.

Inventor : SUBRAMANIAM VENKATACHALAM.

Application No. 216/Mas/80 filed November 26, 1980.

Complete specification left January 24, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims.

An interlocking electric switch socket and plug wherein the switch is juxtaposed with, and controls the supply of, power to the socket, characterised by a spring-loaded pin provided for the socket; a slotted sector provided for the switch and turnable therewith; and a grooved stud provided for the plug, the slot in the sector engaging with the pin whenever the switch is off with the plug detached from the socket, to prevent the switch from being turned on, such that it is only when the plug is engaged with the socket that the stud presses against the pin to disengage it from the slot and thus permit the switch to be turned on, the sector, however, turning with the switch to engage with the groove in the stud to arrest the plug in place.

(Prov.—5 pages; Com.—6 pages; Drwgs.—1 sheet).

CLASS 204. 152298.

Int. Cl. G 01 g 1/34.

A WEIGHING MACHINE.

Applicant & Inventor : THAIVANNAN SESHAGIRI, OF 33 III STREET, ABHIRAMAPURAM, MADRAS-600 018, TAMIL NADU.

Application No. 219/Mas/80 filed December 1, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims.

A weighing machine comprising the known major and minor bars carrying the major poise and the minor poise respectively, characterised in that at least one of the bars is notchless and the corresponding poise is provided with a gripping stud urged against the corresponding bar for retaining the corresponding poise in the position to which it is moved during the weighing operation.

(Com.—6 pages; Drwgs.—1 sheet).

CLASS 107-J. 152299.

Int. Cl. F 02 n 11/00.

A STARTER MOTOR SYSTEM.

Applicant : LUCAS-TVS LIMITED, PADI, MADRAS-600 050, TAMIL NADU.

Inventor : KRISHNAVILASAM RAGHAVAN ANANDAKUMARAN NAIR.

Application No. 222/Mas/80 filed December 10, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A starter motor system comprising a motor and a solenoid plunger assembly characterised by an axially immovable slip clutch mounted on a first shaft, the said slip clutch being

coupled by gearing to the armature of the motor; an axially immovable output gear mounted on the first shaft; and an axially movable engagement gear mounted on a second shaft and meshing with the output gear, the arrangement being such that when the solenoid is energised, the plunger thereof connected to the engagement gear, actuates the said engagement gear axially to mesh with the ring gear of the engine whereby the torque from the output gear is applied to the ring gear through the engagement gear, the said clutch, however, slipping on the first shaft whenever the ring gear tends to drive the engagement gear.

(Com.—7 pages; Drwg.—1 sheet).

Ind. Class : 153.

152300.

Int. Class : B 24 b 3/00.

KNIFE SHARPENING ATTACHMENT FOR USE WITH DOMESTIC MIXER-GRINDERS.

Applicant & Inventor : SUDHIR MALHOTRA, 74, SNEH SADAN, OPP. COLABA POST OFFICE, BOMBAY-400 005, MAHARASHTRA, INDIA.

Application No. 283/BOM/1981 filed Oct 5, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

2 Claims.

1. A knife sharpening attachment for use with domestic mixer-cum-grinder comprising a cap shaped body for mounting on the mixer, in lieu of and in the position of the mixer of the blender bowl, the said cap housing a bearing at its centre fixed to the cap by means of a bearing housing and on the said bearing is mounted a vertical spindle to the upper end of which a grinding wheel is fixed by means of a nut and at the bottom end of the spindle is fitted a coupling for connecting with the motor shaft of the mixer-cum-grinder.

(Complete Specification 5 Pages, Drawings 1 Sheet).

Ind. CLASS : 73 + 97H + 126 A.

152301.

Int. Class : D 06 m 15/00 D 06 p 5/02.

APPARATUS FOR TESTING THE SUBLIMATION EFFECT OF HEAT ON DYED MATERIALS.

Applicant : ELECTRONIC & ENGINEERING COMPANY OF EEC HOUSE, DALIA ESTATE, VEERA DESAI ROAD, ANDHERI (WEST), BOMBAY-400 058, INDIA. REGISTERED INDIAN PARTNERSHIP FIRM.

Inventor : RAMESH BHOGILAL PARIKH.

Application No. 326/BOM/81 filed on Nov. 26, 1981.

Complete after provisional left on Nov. 25, 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

5 Claims.

An apparatus for testing the sublimation effect of heat on dyed materials consisting of a box like container, with a top press cover, having therein a plurality of heat pads which are adapted to be heated simultaneously to different predetermined temperatures by an individual heater inserted in each heat pad and connected to a thermostat, all the heaters are connected to the electric mains through their respective thermostats and a transformer, the top press cover is adapted to press evenly the sample strip of dyed material to be tested, placed on the heat pads and a timer which is adapted to open the top press cover after a predetermined desired period of time.

Provisional Specification—4 pages; Drawings—Nil.)

Complete Specification—8 Pages; Drawing—5 Sheets).

CLASS : 128 K.

152302.

Int. Class : A61f 9/00, H01s 3/00.

APPARATUS FOR PRODUCING A DIRECTED AND FOCUSED LASER BEAM FOR CUTTING BIOLOGICAL TISSUES IN OPTICAL SURGERY.

Applicant : DANIELE SYLVIE ARON ROSA OF 28 AVENUE RAPHAEL, PARIS, FRANCE AND MICHELE GABRIELLE ROBERTE GRIESEMANN OF 9 RUE ALEXANDRE FLEMING, BONNEUILS-UR-MARNE, VAL-DE-MARNE, FRANCE, BOTH ARE FRENCH SUBJECTS.

Inventors : DANIELE SYLVIE ARON ROSA & MICHELE GABRIELLE ROBERTE GRIESEMANN.

Application for Patent No. 403/Del/79 filed on 5th June, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims.

Apparatus for producing a directed and focussed laser beam suitable for cutting biological tissue including transparent tissue in optical surgery, comprising a laser oscillator producing a pulsed beam, the power density of which is greater than 10^{12} Watts/cm² and the duration of each pulse being between 20 and 400 pico-seconds, the pulses being in the form of a train of from 5 to 9 spikes having an energy range from 10 to 15 millijoules when it leaves the laser oscillator, an optical focussing system having a strong converging effect aligned in the path of the beam of the laser oscillator between the oscillator and the tissue to be cut and the laser oscillator including a rod of yttrium aluminum garnet (YAG) doped with neodymium emitting short trains of light pulses.

(Complete specification 20 pages. Drawing 1 sheet).

CLASS: 32A₂ & 32F₂(d).

152303.

Int. Class : C09b 1/00.

"PROCESS FOR THE PREPARATION OF QUINIZARIN."

Applicant : BAYER AKTIENGESellschaft, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY, MANUFACTURERS.

Inventor : SCHMITZ REINOLD.

Application for Patent No. 405/Del/79 filed on 5th June, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims.

Process for the preparation of quinizarin by reaction of a mixture of phthalic anhydride, p-chloro-phenol, sulphuric acid and boric acid or boric anhydride at elevated temperatures, characterised in that the reactants are chosen so that, in the reaction mixture, there is sulphuric acid containing at least 10 percent by weight of free SO₃ and the weight ratio of p-chloro-phenol to the total amount of H₂SO₄ + SO₃ is 1 : 1.5 to 4.0.

(Complete specification 7 pages).

CLASS : 40 H, F.

152304.

Int. Class : B01d 53/00.

RAPID ADIABATIC PRESSURE SWING PROCESS FOR THE SEPARATION OF A MULTI COMPONENT FEED GAS.

Applicant : UNION CARBIDE CORPORATION, MANUFACTURERS, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., LOCATED AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventors : RUSSEL LAWRENCE JONES, GEORGE ERNEST KELLER II & REX COLE WELLS.

Application for Patent No. 408/Del/79 filed on 6th June, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

18 Claims

A rapid adiabatic pressure swing process for the separation of a multi-component feed gas by selectively adsorbing at least one component in a single adsorption bed of small particles by introducing feed gas to a first end and discharging at least one component depleted gas at the second end with a repetitive two-step cycle sequence at the first end of feed gas introduction and reverse outward flow of at least one component-depleted purging one component de-sorbate gas and a total cycle time of less than 30 seconds, characterized by providing said feed gas at pressure of at least 8 psig. at said first end of said adsorbent bed, said feed gas having a separation factor of at least 2 with said adsorbent for feed pressures only less than 30 psig. and said adsorbent bed comprising particles smaller than 20 mesh but larger than 120 mesh being packed in a first to second end length (in inches) not exceeding three times the difference between feed gas and reverse outward flow pressure (in psig.) and less than 96 inches as said adsorbent bed, thereafter performing said reverse outward flow for a second period at least twice said feed gas introduction period, with the first and second period and gas flows such that the one component enrichment factor is at least 4.

(Complete specification 67 pages. Drawing 7 sheets).

CLASS : 55E.

152305.

Int. Class : A61k 9/00, A61j 3/00.

A PROCESS FOR THE PREPARATION OF AN ANTI-BACTERIAL SILVER SULPHADIAZINE CREAM FOR TOPICAL APPLICATION IN THE TREATMENT OF BURNS.

Applicant : DR. JOGINDRA LAL GUPTA, 199, KIDWAI NAGAR WEST, NEW DELHI-110023, INDIA, AN INDIAN CITIZEN.

Inventor : DR. JOGINDRA LAL GUPTA.

Application for Patent No. 410/Del 79 filed on 8th June, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A process for the preparation of anti-bacterial silver sulphadiazine cream which comprises:

- (i) reacting 60 ml of 0.5N of aqueous solution of sodium hydroxide containing 7.01 gm of sulphadiazine with 67 to 70 ml of aqueous solution of

silver nitrate containing 4.76 gms of silver nitrate to obtain fine particles of silver sulphadiazine in the range of 15 to 40 μ m;

- (ii) preparing complex A by mixing sodium lauryl sulphate, glycerine and a stabilizer selected from methyl paraben and chlorocresol;
- (iii) preparing emulsion by mixing white soft wax with liquid paraffin in a vessel under stirring;
- (iv) preparing a cream base by mixing complex A of step (ii) with emulsion B of step (iii) in a sterile homogenizer; and finally,
- (v) mixing the obtained silver sulphadiazine of step (i) in wet cake form with said cream base of step (iv) to obtain anti-bacterial silver sulphadiazine cream.

(Complete specification 7 pages. Drawing 1 sheet).

CLASS : 32F.

152306.

Int. Class : C07c 69/74.

PROCESS FOR THE PREPARATION OF 3-PHENOXY BENZYL 1R-CIS 2, 2-DIMETHYL-3(2-CYANO-PROP-1-ENYL)-CYCLOPROPANE CARBOXYLATE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : RAJAT BARAN MITRA, GURUNATH HANMANTRAO KULKARNI, ZAINAB MULJANI & PRAHALAD NARAIN KHANNA.

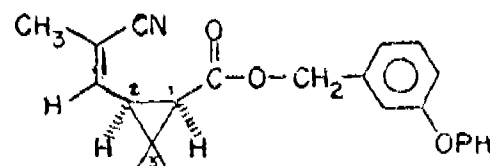
Application for Patent No. 411/Del/79 filed on 8th June, 1979.

Complete specification left on 3rd June, 1980.

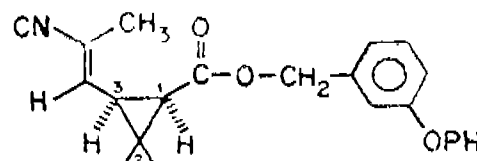
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for the preparation of 3-phenoxybenzyl 1R cis 2, 2-dimethyl-3(2-cyano-prop-1-enyl)-cyclopropane carboxylate, an admixture (double bond) of isomers of formulae IVa & IVb.

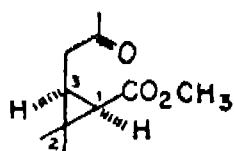


IVa

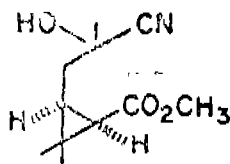


IVb

comprising reacting methyl 1R *cis*-2, 2-dimethyl 3(2-oxo-propyl) cyclopropane carboxylate of formula V

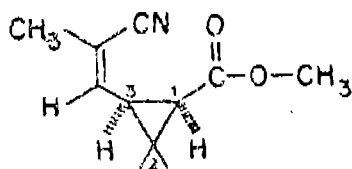


V

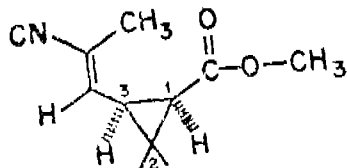


VI

with potassium cyanide-acetic acid to form cyanohydrin of, formula VI, dehydrating the same to obtain a mixture of corresponding ester isomers of formulae VIIa and VIIb,

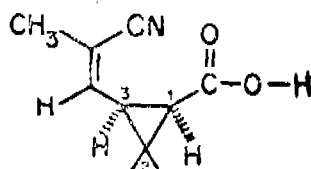


VIIa

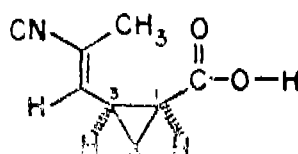


VIIb

saponifying the same to obtain a mixture of corresponding acid of formulae VIII(a) and VIII(b) and



VIIIa



VIIIb

esterifying their potassium salts with 3-phenoxy benzyl-triethylammonium bromide to obtain the desired admixture of isomers of formulae IV(a) and IV(b).

(Provisional specification 4 pages. Drawing 1 sheet).

(Complete specification 9 pages. Drawing 1 sheet).

CLASS : 98 I.

152307

Int. Class : F24j-3/02.

A SOLAR COLLECTOR STORAGE TANK.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, 18-20, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA, AN INDIAN COMPANY.

Inventor : SURESH CHANDRA.

Application for Patent No. 417/Del/79 filed on 12th June, 1979.

Complete specification left on 28th August, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A solar collector storage tank adapted to be connected to a collector field, said storage tank being disposed at a height above that of said collector field, said collector field consisting of at least one absorber having an inlet and an outlet connected to said tank, characterised in that a hollow thermally insulated tube is disposed within said storage tank such that the vapour/liquid from the outlet of said absorber flows into said tube, a float valve being provided with the outlet of said tube and a buffer gas source connected to said storage tank at its top thereof.

Provisional specification 5 pages).

(Complete specification 8 pages. Drawing 1 sheet).

CLASS : 98-I.

152308

Int. Class : F 24 j-3/02.

A SOLAR COLLECTOR WATER STORAGE SYSTEM.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, 18-20 KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA, AN INDIAN COMPANY.

Inventor : SURESH CHANDRA.

Application for Patent No. 418/Del/79 filed on 12th June, 1979.

Complete specification left on 28th August, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims.

A solar collector water storage system consisting of a collector field and a thermally stratified storage tank, said tank being connected to and disposed at a height above that of said collector field, characterised in that an expansion joint chamber is connected between said collector field and storage tank, a hollow thermally insulated tube being disposed within said storage tank with the outlet of said expansion joint chamber extending into said tube, a float ball valve provided with said outlet of the expansion joint chamber and disposed within the said expansion joint chamber such that the vapour/liquid from the outlet of said collector field flows through the tube of said storage tank.

(Complete specification 10 pages. Drawing 1 sheet).

CLASS : 98 I.

152309

Int. Class : F 24 j -3/02.

A SOLAR COLLECTOR STORAGE TANK IN COMBINATION WITH A COLLECTOR FIELD.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, 18-20 KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA, AN INDIAN COMPANY.

Inventor : SURESH CHANDRA.

Application for Patent No. 419/Del/79 filed on 12th June, 1979.

Complete specification left on 28th August, 1980

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims.

A solar collector storage tank in combination with a collector field, said storage tank being disposed at a height above that of said collector field and comprising a hollow insulated tube disposed within said tank, said storage tank being connected to said collector field through an expansion joint chamber, an outlet being provided with said chamber and extending into said tube, a connecting pipe whose diameter is greater than that of said outlet of said expansion joint chamber being provided between said chamber and said storage tank, the outlet and inlet of said collector field being connected to said expansion chamber and said connecting pipe being at a level higher than the inlet of the collector field.

(Provisional specification 5 pages)

(Complete specification 8 pages. Drawing 1 sheet)

CLASS : 64 B.

152310.

Int. Class : H01r 11/18.

ELECTRICAL CONNECTOR ASSEMBLY.

Applicant : THE BENDIX CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AND HAVING AN OFFICE AT EXECUTIVE OFFICES, BENDIX CENTER, SOUTHFIELD, MICHIGAN 48076, UNITED STATES OF AMERICA.

Inventor : LEROY WALTER FAIRBAIRN.

Application for Patent No. 423/Del/79 filed on 12th June, 1979.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims.

An electrical connector assembly of the type including two mateable electrical connectors, each having a plurality of electrical contacts mounted therein and positioned to mate with contacts in the other connector, characterized in that each contact of the first connector has a plurality of axially-aligned wires with acutely-angled forward and surfaces; and that each contact of the second connector is an elongated member having a pin-type forward mating portion whereby, when said first and second electrical connectors are mated, each of the forward mating portions of the contacts in the second connector extend into the plurality of axially-aligned wires of a respective contact of the first connector.

(Complete specification 9 pages. Drawing 1 sheet).

CLASS : 98 I.

152311

Int. Class : F24j-3/02

IMPROVED SOLAR CELL MODULES.

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF P.O. BOX 390 FLORHAM PARK NEW JERSEY 07932, UNITED STATES OF AMERICA

Inventors : WILLIAM THOMAS KURTH & WILLIAM BARRY ANDRULITIS.

Application for patent No. 427/Del/79 filed on 13th June, 1979.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

15 Claims.

A solar cell module comprising :

- (a) an electrically non-conductive light transparent support having a top surface and a bottom surface;
- (b) one of said surfaces being provided with a white light-scattering surface selected from plastic films and paint, said light scattering surface having a light reflective specular component of less than about 5 per cent as determined by gonophotometry;
- (c) a plurality of solar cells arrayed on or supported from one of said surfaces of said support in spaced apart formation so as to provide land areas between said arrayed cells, said land areas having white light-scattering surfaces, and
- (d) a light transparent optical medium coupled to said solar cells, to said support and to said light scattering surface, whereby light impinging on said light-scattering surface is diffused upwardly through said optical medium and forms an angle at the top surface of said support or at the top surface of said optical medium, as the case may be, which angle is greater than the critical angle whereby said diffused light is reflected downwardly towards said solar cells.

(Complete specification 19 pages. Drawing 1 sheet).

CLASS : 129 G & 33D.

152312

Int. Class : B29d-23/04.

MACHINE FOR EXTRACTING CENTRIFUGED PIPE

Applicant : PONT-A-MOUSSON S.A., A FRENCH COMPANY OF 91 AVENUE DE LA LIBERATION, F-5400 NANCY, FRANCE.

Inventor : PIERRE HENRI MARIE.

Application for patent No. 430/Del/79 filed on 13th June, 1979.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims.

A machine for extracting centrifuged pipe from a rotary centrifuging mould comprising a rolling track oriented substantially horizontally and supporting an extracting carriage, flexible traction means for traction of the carriage in both directions forwards and rearwards including upper traction means for movement of the carriage in the reverse direction attached to the rear of the carriage, said upper traction means being positioned in a horizontal plane passing through the axis along which the carriage moves and lower traction means for moving the carriage in the forward direction attached to a projection from the lower portion of the carriage, and means for simultaneously driving at the same speed the upper and lower traction means of said flexible traction means in said both directions: said upper traction means including two strands of the flexible means which are symmetric about a vertical plane of symmetry through the carriage and which form a loop which embraces half the circumference of a balanced pulley provided at the rear of the carriage.

(Complete specification 17 pages. Drawing 2 sheets)

CLASS 20-B & 208

152313

Int. Cl. B 43 1 (5/00-1/00)

A DRAUGHTSMAN'S DRAWING BOARD.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. P.O. MADRAS-600 036, TAMIL NADU.

Inventor : THOGARAPALLI SIVAPPA CHENNABASAVAN.

Application No. 193/Mas/80 filed October 27, 1980

Complete specification left October 27, 1981.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

7 Claims

A draughtsman's drawing board comprising a glass sheet having a ground surface as the working surface, the other unground surface resting against a cushion; a backing board disposed against the cushion, whereby the cushion is sandwiched between the glass sheet and the backing board and the glass sheet is fixed to the backing board.

(Prov.—6 pages; Com.—8 pages; Drwg.—1 sheet).

CLASS 33-E 152314

Int. Cl. B 29 h 3/00.

MULTI-CAVITY MOULD FOR MAKING SMALL RUBBER ARTICLES.

Applicants : LUCAS INDUSTRIES LIMITED, A BRITISH COMPANY, GREAT KING STREET, BIRMINGHAM-19, ENGLAND.

Inventor : MICHAEL WILLIAM ASTON.

Application No. 71/Mas/81 filed April 7, 1981.

Convention date : April 8, 1980 (No. 8011608—United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims

A multi-cavity mould for making small rubber articles, comprising first and second rigid platens movable towards and away from each other, a plurality of pistons received in respective bores in the first platen and a corresponding number of inserts supported firmly on the second platen, each piston co-operating with a respective insert to define therewith a mould cavity when the platens are closed together, and the pistons being movable independently of each other in their respective bores, and means acting upon the rear ends of the pistons so that, when the pistons and inserts are moved towards each other, any piston engaging its associated insert before all the other pistons have engaged their associated inserts will be retracting into the bore receiving said piston until all the pistons are engaged with their respective inserts, said means being capable of supporting the full moulding pressure with which the platens are urged together during the moulding process, and said means biasing the pistons against the inserts with substantially equal forces when the full moulding pressure is supported thereby.

(Com. 16 pages; Drawgs.—2 sheets (1 sheet of size 33.00 cms. x 41.00 cms)).

CLASS 94F. 152315.

Int. Cl. B 24 b 23/00.

A DOMESTIC WET GRINDER.

Applicant & Inventor : THIRUMALAI ANANDAMPIL-LAI VIJAYAN, 507, EAST PONDY ROAD, VILLUPURAM, TAMIL NADU, PIN CODE NO. 605 602.

Application No. 13/Mas/81 filed January 29, 1981.

Complete specification left January 13, 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims

A domestic wet grinder comprising a vessel having an inner horizontal floor formed of a substantially flat circular stone which is provided with a central hole wherethrough is disposed a rotatable vertical drive shaft which is driven by a motor, seal being provided to close the gap between said hole and drive shaft to prevent any leakage, said drive shaft having at least one circulator blade and at least one connecting rod fixed thereacross, the latter being provided with at least one cylindrical stone which is rotatably mounted on the outer end of said connecting rod, said cylindrical stone

being capable of travelling freely and rotatably over the upper surface of said circular stone kept inside said vessel, and said vessel being provided with an exit to drain out the ground substance on completion of the grinding operation.

(Prov.—3 pages; Com.—9 pages; Drwgs.—1 sheet).

CLASS : 40F.

152316

Int. Class : B01d 53/02.

PROCESS AND APPARATUS FOR THE RAPID PRESSURE SWING ADSORPTION SEPARATION OF OXYGEN FROM AIR.

Applicant : UNION CARBIDE CORPORATION, MANUFACTURERS, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, LOCATED AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : DAVID ELMER EARLS & GARY NORMAN LONG.

Application for Patent No. 409/Del/79 filed on 6th June, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims.

A rapid adiabatic pressure swing process for air separation to produce at least 35 mole percent oxygen product gas in which feed air at 10 to 50 psig. is introduced to the first end of an adsorbent bed having an end-to-end length of 1 to 3.5 feet and comprising crystalline zeolite molecular sieve of at least 5 Angstrom apparent pore size and 40 to 120 mesh particle size, with nitrogen being selectively absorbed and said oxygen product gas being continuously discharged from the bed second end during a feed air introduction period, and a reverse outward flow period following said feed air introduction period during which oxygen purging-nitrogen desorbate gas is released from the bed first end, all in a repetitive two step cycle sequence characterized by introducing said feed air at 10 to 50 psig. in alternating processing sequences, to the first end of at least two and not more than three adsorbent beds arranged in alternating flow sequence, with a single product manifold joined to the second end of such beds, each bed having a feed air introduction period of 0.1 to 6 seconds, a reverse outward flow period with oxygen product gas flowing directly from another bed to said second end as purge gas such that the reverse outward flow period/feed air introduction period time ratio is at least 0.5 but less than 2 and the total cycle time is 0.2 to 18 seconds, and prior to the succeeding feed air introduction period, oxygen product gas discharged from a different bed flows directly to said second end without first end gas release as a product repressurization period not exceeding 1.5 times the feed air introduction period.

(Complete specification 82 pages. Drawing 9 sheets).

CLASSES : 102 B & 166A.

152317

Int. Cl. : B 63 h 23/00.

A HYDRAULIC CIRCUIT FOR USE IN CARRIERS FOR TRANSPORTING GRANULAR AND FLAKY MATERIALS.

Applicant : NEW METAL FOUNDRIES A PROPRIETORSHIP FIRM, WHOSE PROPRIETOR IS MUKHTAR SINGH, OF A-146, KALKAJI, NEW DELHI-110 019, INDIAN, AN INDIAN NATIONAL.

Inventor : MUKHTAR SINGH.

Application No. 420/Del/79 filed on 12th June, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A hydraulic circuit for use on a carrier for transporting granular or flaky material, comprising at least one pump adapted to be driven by the source of power on the carrier, a first variable orifice valve connected between the outlet of the pump and the inlet of a first hydraulic motor for driving a vibrating hopper and a second variable orifice valve connected between the outlet of the pump and the inlet of a second hydraulic motor for driving a rotary discharger.

(Complete Specification 9 Pages. Drawing 1 Sheet).

CLASS : 103.

Int. Cl. : B 08 —3/00.

A METHOD FOR RESTORING THE FUNDAMENTAL COMPANY OF 28, RUE DE BONNEL, 69003 LYON, FRANCE.

Applicant : ALUMINIUM PECHINEY, A FRENCH COMPANY OF 28, RUE DE BONNEL, 69003 LYON, FRANCE.

Inventors : ALAIN LECTARD & ROBERT MAGRONE.

Application No. 425/Del/79 filed on 12th June, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A method for restoring the original fundamental characteristics of the walls of heat exchangers or of reactors which are covered with essentially titaniferous incrustations but which can also contain silico-aluminous incrustations formed during the attack of ores, causing a considerable reduction in the heat exchange capacity, characterised in that the walls so incrustated are contacted with an aqueous treatment liquor containing hexa-fluorosilicic acid and hydrofluoric acid and having from 3 to 30% by weight of hexafluorosilicic acid and at most 10% by weight of hydrofluoric acid.

(Complete Specification 23 Pages Drawing Nil).

CLASS : 33, A, D. 152319.

Int. Class : B22d—21/04.

APPARATUS AND PROCESS FOR CONTINUOUS PURIFICATION OF MOLTEN METALS.

Applicant: IMPACT INTERNATIONAL PTY. LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF NEW SOUTH WALES, COMMONWEALTH OF AUSTRALIA, OF CNR. VICTORIA AND O'CONNELL STREETS, SOUTHFIELD, NEW SOUTH WALES, 2164 AUSTRALIA.

Inventors : DIMITRI EMIL LAJOVIC & HANS LASSNER.

Application for Patent No. 429/Del/79 filed on 13th June, 1979.

Convention date 21st June, 1978/(PD 4810)/(Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

22 Claims.

Apparatus for the continuous purification of molten metal comprising an inlet chamber adapted to receive untreated metal, an outlet chamber from which treated metal may be removed, a channel extending beneath and interconnecting said chambers to provide a metal flow path therebetween, said chambers being separated at least in part by an electrically conductive wall for defining with the molten metal in said channel an electrically conductive loop, means for inducing a flow of current in said loop sufficient to maintain

metal within said chambers and channel in a molten form and means for introducing a purging gas beneath the surface of the molten metal.

(Complete Specification 12 pages. Drawing 4 sheets).

CLASS 68 D. 152320.

Int. Cl. H 02 g 13/00.

LIGHTNING ARRESTER DEVICE FOR POWER TRANSMISSION LINE.

Applicants : MITSUBISHI DENKI KABUSHIKI KAISHA OF 2-3, MARUNOUCHI 2-CHOME CHIYODA-KU, TOKYO, JAPAN.

Inventors : NOBUO NAGAI.

Application No. 232/Cal/79 filed March 9, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A lightning arrester device for power transmission line which comprises a lightning arrester of a serial connection of a non-linear resistor and a linear resistor; and a pair of electrodes disposed with a gap at both ends of said lightning arrester.

(Compl. comp. 9 pages. Drgs. 2 sheets).

CLASS 69 I. 152321

Int. Cl. H 01 h 3/00.

VACUUM SWITCHES.

Applicants : SIEMENS AKTIENGESELLSCHAFT OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. GUNTER BIALKOWSKI AND 2. GERHARD PECHE.

Application No. 618/Cal/80 filed May 26, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A vacuum switch comprising a three-phase contact set, each contact pair of which comprises a stationary contact and a mobile contact, each pair being accommodated in a common vacuum chamber, the three mobile contacts being connected via a common flexible mounting to a first wall of the vacuum chamber and the three stationary contacts being secured to a further wall of the vacuum chamber.

(Compl. specn. 10 pages. Drg. 1 sheet).

CLASS 40 F. 152322

Int. Cl. B 01 j 9/00.

A PROCESS FOR TREATING SUBSTANCES IN DIFFERENT PHASES, SUCH AS THE TREATMENT OF SUBSTANCES IN LIQUID SEMI-LIQUID OR PASTY FORM WITH ANOTHER PHASE, IN PARTICULAR A GASEOUS PHASE.

Applicants : RHONE-POULENC INDUSTRIES OF 22 AVENUE MONTAIGNE, 75 PARIS (8EME), FRANCE.

Inventors : 1. FRANCOIS PRUDHON AND 2. AUGUSTIN SCICLUNA.

Application No. 750/Cal/79 filed July 21, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A process for treating substances in a liquid, semi-liquid or pasty phase with a substance in another phase, in particular a gaseous phase optionally containing solid materials, according to which in a first so-called reaction zone between fluid currents in a zone remote from any walls, by introducing a gaseous phase in a symmetrical, helicoidal form defining a symmetrical axial zone, into which a phase comprising substances liable to react with the substances forming the helicoidal current is axially introduced, and that said substances are brought to a temperature at which a reaction, possibly combustion, is triggered off, characterised by the fact that the helicoidal current is forced to pass through a restricted space and that there is introduced along the axis of revolution of the vortex-well type flow thus formed in the zone of depression of said vortex-well type flow at least one other phase to be treated so as to cause the axial phase to be simultaneously disintegrated, dispersed and taken up and possibly treated by the vortex-well type flow, the momentum of said vortex-well type flow at the level of the passage in the restricted space being equal to at least 100 times that of the elements of volume of the axial phase.

(Compl. specn. 27 pages. Drgs. 1 sheets).

CLASS 37 A. 152323.

Int. Cl. : F 26 b 11/00.

IMPROVEMENTS TO CONTINUOUS CENTRIFUGAL DRYERS.

Applicants : FIVES-CAIL BABCOCK OF 7 RUE MONTALIVET, 75383 PARIS CEDEX 08, FRANCE.

Inventors : MR. GERARD JOURNET.

Application No. 887/Cal/79 filed August 29, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Continuous centrifugal dryer including a conical basket opening out upwards and turning about a vertical axis in a casing which is divided by a partition with a circular cross-section into a liquid receiving chamber and dried product receiving chamber, along with a solid skirt surrounding the upper section of the basket to which it is fixed, and a circular baffle fixed to the partition on the same level as the lower part of the skirt, characterised by the fact that it includes, in the ring-shaped space defined by the partition, the skirt, and the baffle, a droplet trap constituted by an interwoven thread cushion placed all around the partition so as to catch the droplets in suspension in the air draught blowing in this space and to allow them to flow off by gravity towards the liquid receiving chamber.

(Compl. specn. 7 pages. Drgs. 2 sheets)

CLASS : 128 A. 152324.

Int. Cl. A 61 f 13/00.

THIN CATAMENIAL ABSORBENT PRODUCT FOR ADHESIVE ATTACHMENT TO WEARER/S GARMENT.

Applicants : PERSONAL PRODUCTS COMPANY OF VAN LIEW AVENUE, MILTOWN, NEW JERSEY 08850, UNITED STATES OF AMERICA.

Inventors : 1. JAMES A. BRADSTREET AND 2. JUDITH E. ROLLER.

Application No. 990/Cal/79 September 21, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A thin catamenial absorbent product for adhesive attachment to a wearer's garment comprising :

a planar, generally rectangular, absorbent pad having a body-facing major surface and a garment facing major surface;

a pressure-sensitive adhesive element disposed on said outer cover for adhering said product to wearer's garment; and

means for providing said pad with planar crush resistance, said means comprising providing on said garment-facing major surface of the pad and integral therewith, a densified, compacted, porous, absorbent, fibrous layer having a particulate hydrocolloid material distributed therein said hydrocolloid material being capable of absorbing water in an amount which is at least 10 times its own weight in a dry form.

(Compl. specn. 19 pages. Drgs. 2 sheets).

CLASS 32 F₂b, 55 E, 60X_d. 152325.

Int. Cl. C 07 d 51/48.

A PROCESS FOR THE PREPARATION OF NOVEL PIPE-RIDINOQUITNAZOLINES.

Applicants : ORJON YHTYMA OY OF PL 19, 00101 HELSINKI 10, FINLAND.

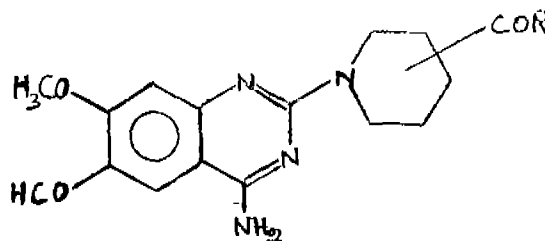
Inventors : ERKKI JUHANI HONKANEN AND HIE-TAVA MAIJA MARJAANA.

Application No. 198/Cal/81 filed February 20, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

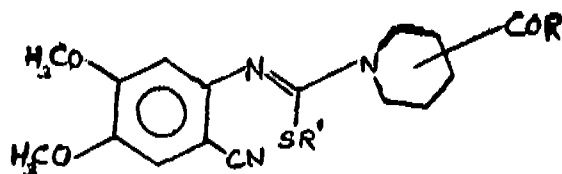
6 Claims.

A method for making novel substituted 2-piperidino-4-amino 6, 7 dimethoxyquinazolines having the formulas 1



Formula I

wherein R is an alkyl containing 1 to 5 carbons, a cycloalkyl containing 3 to 7 carbons, benzyl, an alkoxy containing 1 to 5 carbons, benzyloxy, or a group $-NR^1R^2$, wherein R^1 or R^2 is hydrogen or a chained alkyl containing 4 to 5 carbons or wherein R^1 and R^2 , together with the nitrogen atom, form a cyclic amino group containing 3 to 7 carbons, which amino group may be substituted by one or two lower alkyl groups, or their pharmaceutically acceptable salts, characterized in that an alkyl N-(2-cyano-4, 5-dimethoxyphenyl) acylpiperidinethioformanidate derivative of the formula VII



Formula VII

wherein R' is a lower alkyl group, is reacted the ammonia, ammonium halogenide, urea, or urea hydrohalogenide.

(Compl. specn. 18 pages. Drgs. 1 sheet).

CLASS 32 F₂, 55 E₄, 60X₂d.

152326

Int. Cl. C 07 c 103/00.

PROCESS FOR PREPARING CYCLIC AMIDES.

Applicants : USV PHARMACEUTICAL CORPORATION OF 1 SCARSDALE ROAD TUCHANCE, NEW YORK, UNITED STATES OF AMERICA.

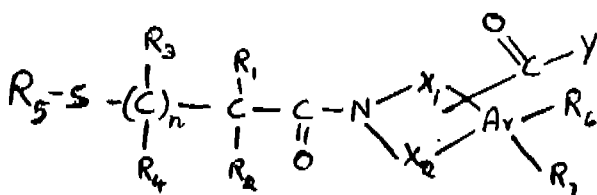
Inventors : 1. JOHN T. HUH, 2. JERRY W. SKIJS AND 3. BRUCE E. WILLIAMS.

Application No. 473/Cal/81 filed May 6, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A process of preparing cyclic amides of the formula I



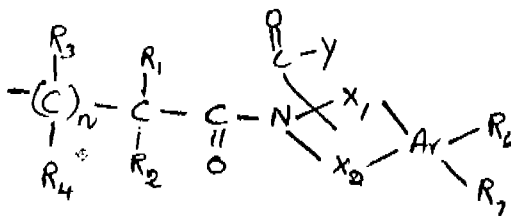
Formula I

of the accompanying drawings wherein :

R₁, R₂, R₃ and R₄ are each hydrogen, alkyl, alkenyl, alkynyl, aryl, heteroaryl, aralkyl, heteroaralkyl, cycloalkyl, polycycloalkyl, or heterocycloalkyl;

n is an integer from 0 to 4 inclusive;

R₅ is hydrogen, alkyl, aralkyl, aryl, hydroxyalkyl, aminoalkyl, alkanoyl, aryloyl, arylalkanoyl, hydroxyalkanoyl, carboxyalkanoyl, aminoalkanoyl, cyano, amino, alkylamino, arylamino, amidino, alkylamidino, arylamidino, or ZS-, ZS (CR₁R₂)_n- or ZSCO—Wherein Z is alkyl, aryl, aralkyl or a radical of the formula II

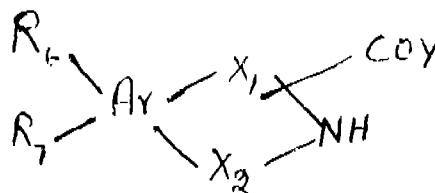


Formula II

wherein R₁, R₂, R₃, R₄, R₆, R₇, n, X₁, X₂ and Y are as herein defined;

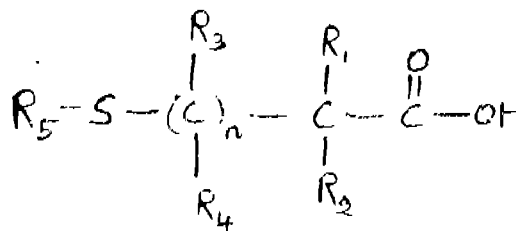
Y is OH, OM, OR₁, NR₁, R₂, or -NR₁-(CR₁R₂)_n-CO-1 Y₁ where M is a pharmaceutically acceptable cation, R₁, R₂ and n are as herein defined and Y₁ is OH, OM, OR₁ or NR₁, R₂;

X₁ and X₂ are each S, SO, -SO₂, NR₁, a chemical bond, O, (CR₁R₂)_m, CHOH, or -CR₁=CR₂ with the proviso that at least one of X₁ and X₂ be (CR₁R₂)_m, wherein R₁ and R₂ are independently hydrogen or lower alkyl, and M is an integer from 0 to 5;



Formula II

Ar is a divalent arylene or heteroarylene; and R₃ and R₇ are each hydrogen, alkyl, halo, cyano hydroxy, alkoxy, amino, alkylamino, dialkylamino, mercapto, alkylmercapto, nitro, trifluoromethyl, carboxy, carbalkoxy, COY, or NHCONHR₁, wherein R₁ and Y are as herein defined which comprises acylating an amine of the formula III with a mercapto acid, or equivalent acylating derivative, of the formula IV.



Formula IV

(Compl. specn. 15 pages. Drgs. 5 sheets).

CLASS 40 F.

152327.

Int. Cl. B 01 j 1/00.

AN IMPROVED PORTABLE CHEESE PRESS FRAME ASSEMBLY.

Applicants : KUSEL EQUIPMENT COMPANY OF 820 WEST STREET, P.O. BOX-87, WATERTOWN, WISCONSIN 53094., UNITED STATES OF AMERICA.

Inventors : GARY ROBERT SMITH.

Application No. 679/Cal/81 filed June 23, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A portable cheese frame assembly for removably supporting hoops and for pressing the curd in said hoops to cause draining of the whey therefrom, said assembly comprising a frame including a generally vertical tubular frame member having an upper end and also having a lower end which opens below said hoops and at the lower end of said frame, said assembly also including gas-operated cylinder and piston units mounted on the top of said frame and including an extensible piston member extending downwardly for pressing the curds in said hoops, control means carried by said assembly for actuating said cylinder and piston units in extending and contracting directions, conduit means for discharging exhaust gases from said cylinder and piston units and into said upper end of said tubular frame member so as to ensure that said exhaust gases and impurities contained therein will not contaminate said hoops by contact therewith.

Compl. Specn. 12 pages. Drgs. 3 sheets.

CLASS 84B.

152328

Int. Cl. C 101 1/00.

PROCESS OF RECOVERING OIL FROM OIL-CONTAINING MINERALS.

Applicants : METALLGESELSCHAFT A. G. OF 16 FRANKFURT A.M. REUTERWEG, WEST GERMANY.

Inventors : 1. NORBERT MAGEDANZ, 2. HORST SEIDEL AND 3. DR. HANS JURGEN WEISS.

Application No. 948/Cal/81 filed August 25, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A process of recovering oil from oil-containing minerals by retorting on a travelling grate, wherein a bed is charged, which consists of a layer of oil-containing mineral and a layer of retorted and burnt material, which has been left after solid carbon present in the bed after the retorting has been burnt with ignition and a flow of oxygen-containing gases sucked through, gases are heated in the retorting zone to the temperature required for retorting as they pass through the layer of the burnt material, the layer of oil-containing mineral is heated to the retorting temperature by the heated-up gases as they flow through said layer, and oil is separated in a separating stage from the retort gases which carry off the retorting products, characterized in that burnt material which becomes available after combustion of solid carbon is charged onto the travelling grate to form a bottom layer and oil-containing mineral is charged onto said layer to form a top layer, inert or reducing gases are forced through the charge bed from below in the retorting zone and are heated as they flow through the hot bottom layer and effect retorting as they pass through the top layer, the retort gases leaving the retorting zone are passed through the separating stage to remove the oil from said gases, the solid carbon in the surface of the top layer is ignited by means of an ignition furnace in a combustion zone, which succeeds the retorting zone, the burning zone is thereafter caused to move through the top layer as oxygen-containing gases are sucked through the top layer at such a controlled rate that the bed is heated to the highest temperature attainable by the combustion of solid carbon, and burnt material is removed from the bed discharged from the travelling grate and is recycled to form the bottom layer.

Compl. Specn. 14 pages. Drg. 1 sheet.

OPPOSITION PROCEEDINGS

The application for patent No. 146124 made by Kirlokar Oil Engines Limited in respect of which opposition was entered by Ruston and Hornsby (India) Limited as notified in the Gazette of India, Part-III, Section 2 dated the 3rd March, 1979, the opposition on the application for patent has been dismissed and a patent has been ordered to be sealed subject to amendment of the specification.

PATENTS SEALED

150836 150854 151172 151173 151179 151180 151199 151200
151201 151206 151209 151214 151215 151216 151225 151229
151234 151238 151242 151243 151249 151250 151351

AMENDMENT PROCEEDING UNDER SECTION 57 OF THE PATENTS ACT, 1970

Notice is hereby given that Messrs Dandy Rolls India Private Limited having its registered office at SHED No. A-179, Peenya Industrial Estate, Peenya, Bangalore-562140, Karnataka State, have made an application under section 57 of the Patents Act, 1970, for amendment of the title of their invention in the application and in the complete specification of their Patent No. 149874 for "An Improved Dandy Rolls". The amendment is by way of changing title from "An Improved Dandy Rolls" to "Improvements in or relating to Dandy Roll". The application for amendment and the proposed amendments can be inspected free of charge, at the

Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form 30 within 3 months from the date of the Notification at Patent Office Branch, Madras. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

RENEWAL FEES PAID

118557 118724 118820 119023 119053 120166 124008 124115
124139 124330 124454 124456 124675 124676 125271 129334
129376 129474 129494 129519 129618 129649 129757 130099
130309 130824 133145 133742 133818 133841 133896 133925
133933 133997 134147 134184 134565 134679 135150 136129
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139804 139812 139815 140115 140203 140461 140665 140758
141013 141655 141679 141815 142312 142374 142420 142989
143068 143171 143230 143391 143505 143657 144109 144136
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147351 147842 148583 148617 148988 149087 149158 149582
149646 149875 149908 150026 150294 150320 150371 150374
150385 150386 150489 150508 150540 150620 150628 150629
150709 150754 150755 150756 150767 150791 150795 150796
150860 150942

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 153224. Naranaswamy Naidu Duraiswamy of "Rajkala", Avanashi Road, Coimbatore-641018, Tamil Nadu, India, Indian National. "monobloc pumpsets". 23rd June, 1983.

Class. 1. No. 153242. Super Agricultural Industries whose address is G.T. Road, Karnal (Haryana) Indian Partnership concern. "Wheat Thresher". 7th July, 1983.

Class. 1. No. 153041. Natesa Thavasiya Pillai. Proprietor Murugan Metal Works, 17 Perumal Mudali Road, Royapettah, Madras-600 014, Tamil Nadu, India, an Indian National. "Mudguard for motorcycle". 21st April, 1983.

Class. 1. No. 153068. Jyoti Limited (an existing Indian Company under the Companies Act) at P.O. Chemical Industries, Industrial Area, Baroda-390 003, Gujarat State, India. "Oil Expeller". 6th May, 1983.

Class. 3. No. 153063. New India Electrical Manufacturers, 21/5, Babarpur Road, Babarpur, Shahdara, Delhi-110 032, an Indian Partnership concern. "Spacers". 2nd May, 1983.

Class. 3. No. 153398. British Telecommunications, a British Corporation established by Statute, of 2-12 Gresham Street, London EC-2V 7AG, England. "Telephone Instrument". Reciprocity date is 25th March, 1983. (United Kingdom).

Class. 3. No. 153360. Chandrasinh Prabhatsinh Solanki, an Indian Citizen Proprietor of : Dipex Handicraft Clocks Percival Para, Mahuva-364 290 Saurashtra, India. "A Wall Clock". 23rd August, 1983.

Class. 3. No. 153272. Northern Telecom Limited, a Canadian Company, of 1600 Dorchester Boulevard, West, Montreal, Quebec, Canada H3H 1R1. "Telephone Handset". Reciprocity date is 31st January, 1983. (Canada).

Class. 3. No. 153273. Northern Telecom Limited, a Canadian Company, of 1600 Dorchester Boulevard, West, Montreal, Quebec, Canada H3H 1R1. "Telephone Set Base". Reciprocity date is 31st January, 1983. (Canada).

Class. 3. No. 153359. Rashmi Bhuta and Mrs. Bharati V. Mehta, Indian Nationals, partners of Tulip Corporation, an Indian Partnership firm, of B-12, Nandkishore Ind. Estate, Off Mahakali Caves Road, Andheri(E), Bombay 400 093, State of Maharashtra, India. "Lighting Fitting". 22nd August 1983.

Class. 3. No. 153322. Metal Box p.l.c., a British Company, of Queens House, Forbury Road, Reading Berkshire RG1 3JH, England. "Closure". 2nd August, 1983.

Class. 3. No. 153323. Metal Box p.l.c., a British Company, of Queens House, Forbury Road, Reading Berkshire RG1 3JH, England. "a Closure". 2nd August, 1983.

Class. 3. No. 153421. M/s. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400 004, Maharashtra, and Indian Partnership Firm. "Calendar". 2nd September, 1983.

Class. 3. No. 153279. Shri Sevantilal Nagindas Shah, (Indian) the sole proprietor of Everest Products, Mistry Family Trust Industrial Estate, I.B. Patel Road, Goregaon (East) Bombay-400 063. "Multi Purpose Pen Stand Cum Paper Slips, Cum Pins and Clips Holders". 20th July, 1983.

Class. 3. No. 153472. Pravin Amritlal Sinroja, Indian National, of Subhanu '8', Adarsh Lane, Marve Road, Malad (W) Bombay-400 064, Maharashtra State, India. "Cassette Stand". 15th September, 1983.

SHANTI KUMAR

Controller General of Patents,

Designs and Trade Marks.

